

Release notes for ENDF/B Development n-044_Ru_100
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=4437, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=4437, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      277 TO      338
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=4437, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=4437, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      277
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4437, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      340
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      501
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      529
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      557
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      574
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 584

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 590

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 604

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 615

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 622

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 639

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 655

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 670

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 55 | RECORD NUMBER | 685 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 56 | RECORD NUMBER | 699 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 57 | RECORD NUMBER | 712 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 58 | RECORD NUMBER | 725 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 59 | RECORD NUMBER | 737 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 60 | RECORD NUMBER | 749 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 61 | RECORD NUMBER | 761 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 62 | RECORD NUMBER | 772 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 63 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 63 | | |
| | SECTION 3/ 63 NOT IN DIRECTORY | RECORD NUMBER | 783 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 64 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 64 | | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER | 794 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 65 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 65 | | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER | 804 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 66 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 66 | | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER | 814 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT= 91 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 824 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 833 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 856 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4437, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 870 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT=105 (0): Directory (b)

- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT=105 | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 882 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 3, MT=107 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 3, MT=107 | |
| SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 892 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 2 (0): Directory (b)
- | | |
|--|-------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 2 | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 909 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 16 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 16 | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1100 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 17 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 17 | |
| SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER 1111 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 22 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 22 | |
| SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER 1122 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 28 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 28 | |
| SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER 1133 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 32 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 32 | |
| SECTION 4/ 32 NOT IN DIRECTORY | RECORD NUMBER 1144 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 51 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 51 | |
| SECTION 4/ 51 NOT IN DIRECTORY | RECORD NUMBER 1155 |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 52 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 52 | |
| SECTION 4/ 52 NOT IN DIRECTORY | RECORD NUMBER 1256 |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 53 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 53 | |
| SECTION 4/ 53 NOT IN DIRECTORY | RECORD NUMBER 1279 |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 54 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 54 | |
| SECTION 4/ 54 NOT IN DIRECTORY | RECORD NUMBER 1302 |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 55 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 55 | |
| SECTION 4/ 55 NOT IN DIRECTORY | RECORD NUMBER 1325 |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 56 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 56 | |
| SECTION 4/ 56 NOT IN DIRECTORY | RECORD NUMBER 1348 |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 57 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 57 | |
| SECTION 4/ 57 NOT IN DIRECTORY | RECORD NUMBER 1371 |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 58 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 58 | |
| SECTION 4/ 58 NOT IN DIRECTORY | RECORD NUMBER 1394 |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 59 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 59 | RECORD NUMBER | 1417 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 60 | RECORD NUMBER | 1483 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 61 | RECORD NUMBER | 1506 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 62 | RECORD NUMBER | 1529 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 63 | RECORD NUMBER | 1552 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 64 | RECORD NUMBER | 1575 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 65 | RECORD NUMBER | 1598 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 66 | RECORD NUMBER | 1621 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 4, MT= 91 (0): Directory (b)

- ERROR(S) FOUND IN MAT=4437, MF= 4, MT= 91
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 1644
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 5, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=4437, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 1668
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 5, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=4437, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1720
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 5, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=4437, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1744
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 5, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=4437, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 1940
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 5, MT= 32 (0): Directory (b)
- ERROR(S) FOUND IN MAT=4437, MF= 5, MT= 32
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2029
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4437, MF= 5, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=4437, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2062

- **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 100. L = 1 / STRENGTH FUNCTION IS 1.24525E-03 / STRENGTH FUNCTION 1.24525E-03 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ISOTOPE MASS = 100. L = 1
STRENGTH FUNCTION IS 1.24525E-03
STRENGTH FUNCTION 1.24525E-03
... [1 more lines]
```

- groupe Errors:

1. Very small elastic cross section found
0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPE 2015-2)

ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"

WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"

WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.40%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 19: n[multiplicity:'3'] + Ru98 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17131776.85176086 eV vs -1.71478e7 eV!

2. Calculated and tabulated Q values disagree.
reaction label 21: n + H2 + Tc98 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15921561.50067139 eV vs -1.58472e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 25: H2 + Tc99-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6954874.29486084 eV vs -6878910. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPE/conver (0)

- message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided
5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided
6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided